

INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU2008/000367

| A. CLASSIFICATION OF SUBJECT MATTER Int. Cl. <i>C12Q 1/68</i> (2006.01) According to International Patent Classification (IPC) or to both national classification and IPC | | |
|--|--|--|
| B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) WPIDS, MEDLINE CAPLUS, KEYWORDS: RIBONUCLEIC ACID, SECONDARY STRUCTURE, SULFITE, CITRATE, ACETATE, HYDROXYLAMINE, INTERCALATING, C12Q1/68 and similar terms | | |
| C. DOCUMENTS CONSIDERED TO BE RELEVANT | | |
| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
| <input checked="" type="checkbox"/> X Y | US20060166203 A1 (TOOKE) 27 July 2006 Claims, 1, 25, paragraphs [0041-0090] Whole document | 1, 2, 5-16, 19 3, 17, 18, 20 |
| <input checked="" type="checkbox"/> X Y | US20070042365 A1 (MILLAR et al) 22 February 2007 Abstract, [0014-0016], [0070][0087][0123] Paragraph [0162] | 1, 2, 4-7, 16 3, 8-9, 17-20 |
| <input checked="" type="checkbox"/> X Y | WO2004096825 A (HUMAN GENETIC SIGNATURES PTY LTD) 11 Nov. 2004 P5 lines 22-33, p7 lines 15-20, p 23 lines 5-33, figure 5, claims 5, 6, 10, 18, 25-27 Page 21, lines 20-25, claim 6 | 1, 2, 5-7, 10- 13, 16 3, 8-9, 14, 15, 17-20 |
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| Date of the actual completion of the international search 28 April 2008 | | Date of mailing of the international search report 14 MAY 2008 |
| Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustralia.gov.au Facsimile No. +61 2 6283 7999 | | Authorized officer Ross Osborne AUSTRALIAN PATENT OFFICE (ISO 9001 Quality Certified Service) Telephone No : (02) 6283 2404 |

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| C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT | | |
|---|--|--------------------------|
| Category* | Citation of document, with indication, where appropriate, of the relevant passages (Remove spaces when completed if the page is too long) | Relevant to claim No. |
| X | US20060051771 A1 (MURPHY et al) 9 March 2006 Abstract, paragraphs [0020][0022][0118][0121], example 1, claims 1, 58 and 65 | 1, 2, 5-7, 10- 13, 16 |
| Y | Claim 1, [0020][0022] | 3, 8-9, 14-15, 17-20 |
| Y | Kozak et al, Influence of secondary structure on binding and migration of 40S ribosomal subunits, Cell, (1980) Vol 19, p79-90 Abstract, p83, 89 | 8-9, 14-15 |
| Y | US6156501 A (McGALL et al) 5 December 2000 Abstract, column 7 lines 39-58, claims 26-42 | 3, 17-18, 20 |
| P,A | US20070264653 A1 (BERLIN et al) 15 November 2007 Abstract, [0098] [0152] [0385], claims 9-10 | 3, 17-18 |
| A | Ratushna VG, et al, Secondary structure in the target as a confounding factor in synthetic oligomer microarray design, BMC Genomics (2005, Mar) Vol 6 No 1 p31 Abstract | 1 |
| P, A | US20070190530 A1 (BIRKNER et al,)16 August 2007 Abstract, claims | 1 |

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/AU2008/000367

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

| Patent Document Cited in Search Report | | | Patent Family Member | | |
|---|------------|----|----------------------|----|------------|
| US | 2006166203 | AU | 2003265185 | WO | 2004029294 |
| US | 2007042365 | AU | 2004206037 | CN | 1764729 |
| | | WO | 2004065625 | EP | 1592807 |
| WO | 2004096825 | AU | 2004234019 | CN | 1784417 |
| | | US | 7288373 | US | 2004219539 |
| US | 2006051771 | EP | 1786930 | US | 7361465 |
| US | 6156501 | AU | 30090/97 | AU | 72124/94 |
| | | EP | 0705271 | EP | 0730663 |
| | | EP | 0785280 | EP | 0950720 |
| | | HK | 1014561 | JP | 2004105189 |
| | | US | 5837832 | US | 5858659 |
| | | US | 5968740 | US | 6027880 |
| | | US | 6268152 | US | 6284450 |
| | | US | 6309823 | US | 6468744 |
| | | US | 6632605 | US | 6852488 |
| | | US | 7115364 | US | 2002048749 |
| | | US | 2002177131 | US | 2003054393 |
| | | US | 2003165823 | US | 2003165830 |
| | | US | 2004072202 | US | 2005208517 |
| | | US | 2006110752 | US | 2006229824 |
| | | US | 2007054286 | US | 2008044920 |
| | | WO | 9511995 | WO | 9743450 |
| US | 2007264653 | EP | 1842926 | | |
| US | 2007190530 | CA | 2547743 | EP | 1692315 |
| | | | | WO | 2005054502 |
| Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001. | | | | | |
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